

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	573580	(si or silicon) and ((rare adj earth) or er or erbium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 13:54
L2	35661	l1 and powder	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 13:54
L3	3282	l2 and semiconductor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 13:54
L4	1472	l3 and dop\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 13:55
L5	58	l4 and nanocrystal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 14:15
L6	15	l4 and nanocrystal.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 14:15

**Dial<sub>g</sub> DataStar<sub>it</sub>**[options](#)[logoff](#)[feedback](#)[help](#)[databases](#)[search  
page](#)

## Titles

To view one or many selected titles scroll down the list and click the corresponding boxes. Then click display at the bottom of the page. To view one particular document click the link above the title to display immediately.

Documents 1 to 17 of 17 from your search "(( **er OR erbium** ) **AND silicon AND semiconductor**) **AND nanocrystal**" in all the available information:

Number of titles selected from other pages: 0

☐ **Select All**☐ 1 [display full document](#)

2005. (INZZ) Have silicon lasers come of age?

☐ 2 [display full document](#)

2005. (INZZ) Performance optimization of nanocrystal-Si sensitized Er-doped waveguide amplifier.

☐ 3 [display full document](#)

2005. (INZZ) Recent advances in nanocrystal-Si sensitized, Er-doped silica waveguide amplifiers.

☐ 4 [display full document](#)

2005. (INZZ) CMOS compatible erbium coupled Si nanocrystal thin films for microphotonics.

☐ 5 [display full document](#)

2005. (INZZ) Effect of "buffer layers" on the optical properties of silicon nanocrystal superlattices.

☐ 6 [display full document](#)

2004. (INZZ) Comparative study of photoluminescence of undoped and erbium-doped size-controlled nanocrystalline Si/SiO<sub>2</sub>/multilayered structures.

☐ 7 [display full document](#)

2004. (INZZ) Electroluminescence properties of SiO<sub>2</sub>/x/ layers implanted with rare earth ions.

☐ 8 [display full document](#)

2004. (INZZ) Effect of the erbium dopant architecture on the femtosecond relaxation dynamics of silicon nanocrystals.

☐ 9 [display full document](#)

2003. (INZZ) Fabrication and photoluminescence properties of erbium doped size- controlled silicon nanocrystals.

☐ 10 [display full document](#)

2003. (INZZ) Photoluminescence of Er-doped SiO<sub>2</sub>/ films containing Si nanocrystals and Er.

☐ 11 [display full document](#)

2002. (INZZ) Correlating structure and photophysics in erbium-doped silicon nanocrystals.

☐ 12 [display full document](#)

2002. (INZZ) Direct observation of defect-mediated cluster nucleation.

☐ 13 [display full document](#)

2002. (INZZ) Active control of position, density, and size for Si quantum dots for nanophotonic applications.

☐ 14 [display full document](#)

2002. (INZZ) Gain limiting processes in Er-doped Si nanocrystal waveguides in SiO<sub>2</sub>/sub 2/.

☐ 15 [display full document](#)

2001. (INZZ) Exciton-erbium energy transfer in Si nanocrystal-doped SiO<sub>2</sub>/sub 2/.

☐ 16 [display full document](#)

2000. (INZZ) Room temperature luminescence of Er doped nc-Si/SiO<sub>2</sub>/sub 2/ superlattices.

☐ 17 [display full document](#)

1999. (INZZ) Direct transition at the fundamental gap in light-emitting nanocrystalline Si thin films.

Selection	Display Format	Output Format	ERA <sup>SM</sup> Electronic Redistribution & Archiving
<input checked="" type="radio"/> from this page <input type="radio"/> from all pages	<input checked="" type="radio"/> Full <input type="radio"/> Free <input type="radio"/> Short <input type="radio"/> Medium <input type="radio"/> Custom <a href="#">Help with Formats</a>	<input checked="" type="radio"/> HTML <input type="radio"/> Tagged (for tables) <input type="radio"/> PDF <input type="radio"/> RTF	Copies you will redistribute: <input type="text"/> Employees who will access archived record (s): <input type="text"/> <a href="#">Help with ERA</a>
Sort your entire search result by <input type="text" value="Publication year"/> <input type="button" value="Ascending"/>			

[Top](#) - [News & FAQs](#) - [Dialog](#)

© 2006 Dialog

# Dialog DataStar

options

logoff

feedback

help



databases

search  
page

## Titles

To view one or many selected titles scroll down the list and click the corresponding boxes. Then click display at the bottom of the page. To view one particular document click the link above the title to display immediately.

Documents 1 to 3 of 3 from your search "(( er OR erbium ) AND silicon AND semiconductor) AND powder" in all the available information:

Number of titles selected from other pages: 0

☐ **Select All**

☐ 1 [display full document](#)

2005. (INZZ) Towards controllable optical properties of silicon based nanoparticles for applications in opto-electronics.

☐ 2 [display full document](#)

1998. (INZZ) XANES analysis of optical activation process of Er in Si:Er/sub 2 around Er.

☐ 3 [display full document](#)

2000. (INZZ) The influence of local surroundings of Er atoms on the kinetics of decay of Er photoluminescence in amorphous hydrogenated silicon.

Selection	Display Format	Output Format	ERA <sup>SM</sup> Electronic Redistribution & Archiving
<input checked="" type="radio"/> from this page <input type="radio"/> from all pages	<input checked="" type="radio"/> Full <input type="radio"/> Free <input type="radio"/> Short <input type="radio"/> Medium <input type="radio"/> Custom <a href="#">Help with Formats</a>	<input checked="" type="radio"/> HTML <input type="radio"/> Tagged (for tables) <input type="radio"/> PDF <input type="radio"/> RTF	Copies you will redistribute: <input type="text"/> Employees who will access archived record (s): <input type="text"/> <a href="#">Help with ERA</a>
<div> Sort your entire search result by           <div> Publication year <div> </div> </div> Ascending </div>			

Top - News & FAQs - Dialog

[Home](#) | [Login](#) | [Logout](#) | [Access Information](#) | [Alc](#)

Welcome United States Patent and Trademark Office

☐ Search Results[BROWSE](#)[SEARCH](#)[IEEE XPLORE GUIDE](#)

Results for "(((rare adj earth) and semiconductor and powder and silicon)&lt;in&gt;metadata)"

Your search matched 0 documents.

e-mail

A maximum of 100 results are displayed, 25 to a page, sorted by **Relevance** in **Descending** order.

» Search Options

[View Session History](#)[New Search](#)

Modify Search

☐ Check to search only within this results set

» Key

Display Format: ☒ Citation ☐ Citation & Abstract

IEEE JNL IEEE Journal or Magazine

IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

**No results were found.**

Please edit your search criteria and try again. Refer to the Help pages if you need assistance revising your search

Indexed by  
 Inspec[Help](#) [Contact Us](#) [Privac](#)

© Copyright 2006 IE